



EXPEDITED PROCEDURE  
UNDER 37 C.F.R. §1.116

#15C (W)  
Andt.  
S. Davis  
3/12/03  
enter by  
C. Moore

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Norikatsu KOIDE et al.

Serial No.: 09/711,908

Group Art Unit: 2814

Filed: November 15, 2000

Examiner: Louie, Wai Sing

For: METHODS FOR MANUFACTURING A LIGHT-EMITTING DEVICE

Honorable Commissioner of Patents  
Washington, D.C. 20231  
Box AF

RECEIVED  
FEB 13 2003  
TECHNOLOGY CENTER 2800

RECEIVED  
MAR -4 2003  
TECHNOLOGY CENTER 2800

AMENDMENT UNDER 37 C.F.R. §1.116

Sir:

In response to the Final Office Action dated October 8, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

**Please amend claim 21 as follows:**

C1

21. (Twice Amended) A method of manufacturing a light-emitting device, said method comprising:

forming a light-emitting layer comprised of  $\text{In}_x\text{Ga}_{1-x}\text{N}$  on a sapphire substrate, wherein the light-emitting layer has an indium mole fraction  $X$  and emits light of wavelength (nm) =  $1239.8/E_g$  (eV), such that the emitted light has an energy level  $E_g < 3.4 * (1-X) + 1.95 * X - 1.0 * X * (1-X)$ , said light-emitting layer being devoid of an intentional impurity.